

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6555243").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/09 17:04
L2	1	L1 and elastomer	US-PGPUB; USPAT	OR	ON	2006/03/09 17:07
L3	1	L1 and polyolefin	US-PGPUB; USPAT	OR	ON	2006/03/09 17:23
L4	1	L1 and tubing	US-PGPUB; USPAT	OR	ON	2006/03/09 17:24
L5	1	L1 and filler	US-PGPUB; USPAT	OR	ON	2006/03/09 17:24
L6	0	L1 and vent	US-PGPUB; USPAT	OR	ON	2006/03/09 17:24
L7	0	L1 and neck	US-PGPUB; USPAT	OR	ON	2006/03/09 17:25
L8	0	L1 and liquid adj1 fule	US-PGPUB; USPAT	OR	ON	2006/03/09 17:26
L9	0	L1 and liquid adj1 fuel	US-PGPUB; USPAT	OR	ON	2006/03/09 17:35
L10	0	L1 and compounding	US-PGPUB; USPAT	OR	ON	2006/03/09 17:35
L11	1	L1 and extrusion	US-PGPUB; USPAT	OR	ON	2006/03/09 17:36
S1	10527	thermoplastic same multi layer same hollow adj1 body	US-PGPUB; USPAT	OR	ON	2006/03/01 11:08
S2	22	thermoplastic same multilayer same hollow adj1 body	US-PGPUB; USPAT	OR	ON	2006/03/01 11:26
S3	12	thermoplastic same multilayer and hollow adj1 body and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/01 11:31
S4	0	thermoplastic same multilayer adj1 hollow adj1 body and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/01 11:27
S5	118	thermoplastic same multilayer and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/01 17:51
S6	25	multilayer adj1 composite and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/01 18:16
S7	20	multilayer adj1 tube and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/01 18:17
S8	0	multilayer adj1 hollow adj1 body and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/01 18:01

## EAST Search History

S9	4	multilayer same hollow adj1 body and inner adj1 layer same ("polyamide 6" and "polyamide 12")	US-PGPUB; USPAT	OR	ON	2006/03/01 18:17
S10	13	multilayer same inner adj1 layer same ("polyamide 6" and "polyamide 12")	US-PGPUB; USPAT	OR	ON	2006/03/01 18:08
S11	24	multilayer and inner adj1 layer same ("polyamide 6" and "polyamide 12")	US-PGPUB; USPAT	OR	ON	2006/03/01 18:13
S12	28	tube and inner adj1 layer same ("polyamide 6" and "polyamide 12")	US-PGPUB; USPAT	OR	ON	2006/03/01 18:12
S13	12	S12 not S11	US-PGPUB; USPAT	OR	ON	2006/03/01 18:12
S14	34	multi\$1layer\$1 and inner adj1 layer same ("polyamide 6" and "polyamide 12")	US-PGPUB; USPAT	OR	ON	2006/03/01 18:13
S15	9	S14 not S12	US-PGPUB; USPAT	OR	ON	2006/03/01 18:14
S16	10	S14 not S11	US-PGPUB; USPAT	OR	ON	2006/03/01 18:14
S17	35	multi\$1layer\$1 adj1 composite and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/01 18:16
S18	10	S17 not S6	US-PGPUB; USPAT	OR	ON	2006/03/01 18:16
S19	4	multi\$1layer\$1 same hollow adj1 body and inner adj1 layer same ("polyamide 6" and "polyamide 12")	US-PGPUB; USPAT	OR	ON	2006/03/01 18:17
S20	37	multi\$1layer\$1 adj1 tube and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/06 12:12
S21	17	S20 not S7	US-PGPUB; USPAT	OR	ON	2006/03/06 16:08
S22	37	multi\$1layer\$1 adj1 tube and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/06 11:48
S23	37	multi\$1layer\$1 adj1 tube and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/06 11:59
S24	35	multi\$1layer\$1 adj1 composite and "polyamide 6" and "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/06 11:59
S25	393	multi\$1layer\$1 and "polyamide 6" same "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/06 12:13
S26	74	multi\$1layer\$1 and "polyamide 6" same "polyamide 12" and compatibilizer	US-PGPUB; USPAT	OR	ON	2006/03/06 13:51
S27	31	multi\$1layer\$1 and "polyamide 6" same "polyamide 12" and compatibilizer and intermediate adj1 layer same ethylene	US-PGPUB; USPAT	OR	ON	2006/03/06 13:54

## EAST Search History

S28	56	multi\$1layer\$1 and "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene	US-PGPUB; USPAT	OR	ON	2006/03/06 14:06
S29	27	multi\$1layer\$1 and "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene not adhesive	US-PGPUB; USPAT	OR	ON	2006/03/06 14:23
S30	27	(multi\$1layer\$1 or multilayer) and "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene not adhesive	US-PGPUB; USPAT	OR	ON	2006/03/06 14:22
S31	30	multi\$1layer\$2 and "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene not adhesive	US-PGPUB; USPAT	OR	ON	2006/03/06 14:37
S32	3	S31 not S29	US-PGPUB; USPAT	OR	ON	2006/03/06 14:23
S33	5	inner adj1 layer same "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene not adhesive	US-PGPUB; USPAT	OR	ON	2006/03/06 14:37
S34	11	inner adj1 layer same "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene	US-PGPUB; USPAT	OR	ON	2006/03/06 14:44
S35	0	inner adj1 layer same "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene/vynal adj1 alcohol	US-PGPUB; USPAT	OR	ON	2006/03/06 14:45
S36	4	inner adj1 layer same "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene/vinyl adj1 alcohol	US-PGPUB; USPAT	OR	ON	2006/03/06 14:46
S37	9	inner adj1 layer same "polyamide 6" same "polyamide 12" and ethylene/vinyl adj1 alcohol	US-PGPUB; USPAT	OR	ON	2006/03/06 14:54
S38	9	inner adj1 layer same "polyamide 6" same "polyamide 12" and ethylene/vinyl adj1 alcohol and outer adj1 layer same "polyamide 6" same "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/06 15:09
S39	43	inner adj1 layer same "polyamide 6" same "polyamide 12" and inner adj1 layer ethylene/vinyl adj1 alcohol and outer adj1 layer same "polyamide 6" same "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/06 15:09

## EAST Search History

S40	4	inner adj1 layer same "polyamide 6" same "polyamide 12" and inner adj1 layer same ethylene/vinyl adj1 alcohol and outer adj1 layer same "polyamide 6" same "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/06 15:14
S41	15	("4407873"   "5038833"   "5076329"   "5167259"   "5219003"   "5425974"   "5443874"   "5460771"   "5469892"   "5491009"   "5706865"   "5804670"   "5869157"   "5869190"   "6379812").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/06 15:12
S42	4	inner same "polyamide 6" same "polyamide 12" and inner adj1 layer same ethylene/vinyl adj1 alcohol and outer same "polyamide 6" same "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/07 18:10
S43	4	inner same "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene/vinyl adj1 alcohol and outer same "polyamide 6" same "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/06 15:15
S44	4	inner same "polyamide 6" same "polyamide 12" and intermediate same ethylene/vinyl adj1 alcohol and outer same "polyamide 6" same "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/06 15:28
S45	12	inner same polyamide and intermediate same ethylene/vinyl adj1 alcohol and outer same polyamide	US-PGPUB; USPAT	OR	ON	2006/03/06 16:07
S46	2173	(428/34.6,36.9,36.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/06 16:08
S47	548	S46 and polyamide	US-PGPUB; USPAT	OR	ON	2006/03/06 16:08
S48	124	S47 and multilayer	US-PGPUB; USPAT	OR	ON	2006/03/06 16:19
S49	112	S48 and ethylene	US-PGPUB; USPAT	OR	ON	2006/03/06 16:19
S50	4	Flepp.in.	US-PGPUB; USPAT	OR	ON	2006/03/07 15:04
S51	65	Stolarz.in.	US-PGPUB; USPAT	OR	ON	2006/03/07 15:04
S52	1	Stolarz.in. near1 alex	US-PGPUB; USPAT	OR	ON	2006/03/07 15:12
S53	2	Sturzel.in. near1 andre	US-PGPUB; USPAT	OR	ON	2006/03/07 15:05

## EAST Search History

S54	7	Stoppelmann.in. near1 Georg	US-PGPUB; USPAT	OR	ON	2006/03/07 15:05
S55	303	mixture same "polyamide 6" same "polyamide 12"	US-PGPUB; USPAT	OR	ON	2006/03/07 18:11
S56	303	mixture same "polyamide 6" same "polyamide 12" intermediate adj1 layer same ethylen/vinyl adj1 alcohol adj1 copolymer	US-PGPUB; USPAT	OR	ON	2006/03/07 18:11
S57	0	mixture same "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylen/vinyl adj1 alcohol adj1 copolymer	US-PGPUB; USPAT	OR	ON	2006/03/07 18:11
S58	0	"polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylen/vinyl adj1 alcohol adj1 copolymer	US-PGPUB; USPAT	OR	ON	2006/03/07 18:11
S59	5	"polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene/vinyl adj1 alcohol adj1 copolymer	US-PGPUB; USPAT	OR	ON	2006/03/07 18:12
S60	5	mixture same "polyamide 6" same "polyamide 12" and intermediate adj1 layer same ethylene/vinyl adj1 alcohol adj1 copolymer	US-PGPUB; USPAT	OR	ON	2006/03/07 18:12
S61	5	mixture same "polyamide 6" with "polyamide 12" and intermediate adj1 layer same ethylene/vinyl adj1 alcohol adj1 copolymer	US-PGPUB; USPAT	OR	ON	2006/03/09 14:35
S62	3	(("20020142118") or ("20040265527") or ("4881576")). PN.	US-PGPUB; USPAT	OR	OFF	2006/03/09 13:48
S63	10	"polyamide 6" with "polyamide 12" and compounding adj1 temperature	US-PGPUB; USPAT	OR	ON	2006/03/09 14:42
S64	158	polyamide and compounding adj1 temperature	US-PGPUB; USPAT	OR	ON	2006/03/09 14:38
S65	382	(polyamide "6")and compounding adj1 temperature	US-PGPUB; USPAT	OR	ON	2006/03/09 14:38
S66	17	("polyamide 6")and compounding adj1 temperature	US-PGPUB; USPAT	OR	ON	2006/03/09 14:42
S67	163	("polyamide 6")and extrusion adj1 temperature	US-PGPUB; USPAT	OR	ON	2006/03/09 14:42
S68	1768	"polyamide 6" with "polyamide 12" sameextrusion adj1 temperature	US-PGPUB; USPAT	OR	ON	2006/03/09 14:43
S69	5	"polyamide 6" with "polyamide 12" same extrusion adj1 temperature	US-PGPUB; USPAT	OR	ON	2006/03/09 14:43
S70	65	"polyamide 6" with "polyamide 12" and extrusion adj1 temperature	US-PGPUB; USPAT	OR	ON	2006/03/09 14:58

## EAST Search History

S71	1	("2004/0030057").URPN.	USPAT	OR	ON	2006/03/09 14:51
S72	16	"polyamide 6" same extrusion adj1 temperature	US-PGPUB; USPAT	OR	ON	2006/03/09 14:52
S73	5	("polyamide 6" with "polyamide 12") same extrusion adj1 temperature	US-PGPUB; USPAT	OR	ON	2006/03/09 14:59
S74	0	("polyamide 6" with "polyamide 12") same (extrusion adj1 temperature same compounding adj1 temperature)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:00
S75	0	(polyamide) same (extrusion adj1 temperature same compounding adj1 temperature)	US-PGPUB; USPAT	OR	ON	2006/03/09 14:59
S76	4	(polyamide) same (extrusion adj1 temperature same compounding)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:00
S77	0	("polyamide 6" with "polyamide 12") same (extrusion adj1 temperature same compounding)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:00
S78	4	("polyamide 6" with "polyamide 12") and (extrusion adj1 temperature same compounding)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:13
S79	1	("5021488").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/09 15:06
S80	1	S79 and "200"	US-PGPUB; USPAT	OR	ON	2006/03/09 15:07
S81	0	S79 and "200\$2"	US-PGPUB; USPAT	OR	ON	2006/03/09 15:07
S82	0	S79 and "200\$1"	US-PGPUB; USPAT	OR	ON	2006/03/09 15:07
S83	0	S79 and "200\$8"	US-PGPUB; USPAT	OR	ON	2006/03/09 15:07
S84	1	S79 and "200"\$1	US-PGPUB; USPAT	OR	ON	2006/03/09 15:08
S85	0	S79 and degree	US-PGPUB; USPAT	OR	ON	2006/03/09 15:09
S86	1	S79 and extrusion	US-PGPUB; USPAT	OR	ON	2006/03/09 15:09
S87	4	polyamide and (extrusion adj1 temperature same compounding adj1 temperature)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:10
S88	45	polyamide and (extrusion adj1 temperature same compounding)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:13
S89	4	polyamide same (extrusion adj1 temperature same compounding)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:11

## EAST Search History

S90	2345	polyamide and (extrusion adj1 temperature)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:13
S91	65	("polyamide 6" with "polyamide 12") and (extrusion adj1 temperature)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:17
S92	10	("polyamide 6" with "polyamide 12") and (compounding adj1 temperature)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:17
S93	24	("polyamide 6" with "polyamide 12") and (compound\$3 adj1 temperature)	US-PGPUB; USPAT	OR	ON	2006/03/09 15:44
S94	1	("6555243").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/09 15:44
S95	1	S94 and hollow	US-PGPUB; USPAT	OR	ON	2006/03/09 17:04